Agricultural Science and Technology

Middle Level Course

Intro to World Agriculture Science (399030)

Cluster: Agriculture, Food and Natural Resources

Pathway: Agribusiness Systems

Program of Study	Level One	Level Two	Level Three
Agribusiness Systems	Survey of Ag Systems (491150)	Agribusiness Management (491030)	1. Advanced Ag Leadership & Communications (491300) 2. Animal Science (491180) 3. CASE Animal Science (491160) 4. Agricultural Mechanics (491390) 5. Natural Resources Management (491310) 6. CASE Natural Resources (491470) 7. Plant Science (491340) 8. CASE Plant Science (491170) 9. Ag Ed Capstone (491370) 10. Youth Apprenticeship: AG AFNR (490200) 11. Career Practicum: AG AFNR (490600) 12. Razorback AgCademy: Foundation of Ag Education (590140)
Industry Recognized Certifications	Microsoft Office CertifiS/P2 Human ResourcesCareer Readiness Certifi	Certification ficate (Gold/Silver/Bronze) I Communications Certification (iCE erview Skills ation	, , ,

Cluster: Agriculture, Food and Natural Resources

Pathway: Agricultural Power, Structural & Technical Systems

Program of Study	Level One	Level Two	Level Three
Agricultural Power, Structural & Technical Systems	Survey of Ag Systems (491150)	Agricultural Mechanics (491390)	 Advanced Agricultural Mechanics (490810) Agricultural Metals (491380) Agricultural Structures (491410) CASE Ag, Power & Technical (491630) Forestry Equipment Operations (491620) Ag Ed Capstone (491370) Youth Apprenticeship: AG AFNR (490200) Career Practicum: AG AFNR (490600) Razorback AgCademy Fundamentals of Ag Systems (590180)
Industry Recognized Certifications	ShopBot Certification	ification ing echnology Certifications	CEV)

Cluster: Agriculture, Food and Natural Resources

Pathway: Animal Systems

Program of Study	Level One	Level Two	Level Three
Animal Systems	Survey of Ag Systems (491150)	Animal Science (491180) or CASE Animal Science (491160)	 Advanced Animal Science (491010) Veterinary Science (491460) Poultry Science (491440) CASE Biotechnology (491490) Ag Ed Capstone (491370) Youth Apprenticeship: AG AFNR (490200) Career Practicum: AG AFNR (490600) Razorback AgCademy Intro to Animal Science
Industry Recognized Certifications	 Career Readiness Certi BQA Certification Artificial Insemination Texas A&M Veterinary Elanco Veterinary Med National Collegiate Live (iCEV) National Horse Judging Certification (iCEV) 	Assistant Certification ical Applications Certification (iCEV)	es of Livestock Selection Certification Management and Evaluation

Cluster: Agriculture, Food and Natural Resources Pathway: Food Products & Processing Systems

Program of Study	Level One	Level Two	Level Three
Food Products &	Survey of Ag Systems	Food Products &	 Food Products &
Processing Systems	(491150)	Processing I (491100)	Processing II (49110)
			2. Youth Apprenticeship:
			AG AFNR (490200)
			3. Career Practicum: AG
			AFNR (490600)
Industry Recognized	American Meat Science Food Safety & Science Certification (iCEV)		
Certifications	American Meat Science Meat Evaluation Certification (iCEV)		
	OSHA 10 or OSHA 30		
	Career Readiness Certificate (Gold/Silver/Bronze)		
	American Meat Science Culinary Meat Selection & Cookery Certification (iCEV)		

Cluster: Agriculture, Food and Natural Resources

Pathway: Natural Resources/Environmental Service Systems

Program of Study	Level One	Level Two	Level Three
Natural Resources/ Environmental Service Systems	Survey of Ag Systems (491150)	Natural Resources Management (491310) or CASE Natural Resources (491470)	 Forestry & Wildlife Ecosystems (491260) Ag Ed Capstone (491370) Youth Apprenticeship: AG AFNR (490200)
			4. Career Practicum: AG AFNR (490600)
Industry Recognized	Arkansas Hunters' Education Certification		
Certifications	Arkansas Boaters' Education Certification		
	OSHA 10 or OSHA 30		
	Career Readiness Certificate (Gold/Silver/Bronze)		
	Ducks Unlimited Ecology Conservation & Management Certification (iCEV)		

Cluster: Agriculture, Food and Natural Resources

Pathway: Plant Systems

Program of Study	Level One	Level Two	Level Three
Plant Systems	Survey of Ag Systems	Plant Science (491340)	 Advanced Plant
	(491150)	or	Science (490800)
		CASE Plant Science	2. Greenhouse
		(491170)	Management (491270)
			CASE Biotechnology
			(491490)
			4. Ag Ed Capstone
			(491370)
			5. Youth Apprenticeship:
			AG AFNR (490200)
			6. Career Practicum: AG
			AFNR (490600)
Industry Recognized	OSHA 10 or OSHA 30		
Certifications	BASF Plant Science Certification (iCEV)		
	Career Readiness Certificate (Gold/Silver/Bronze)		
	Benz School of Floral Design Principles of Floral Design Certification (iCEV)		
	Arkansas Floral Student Certification		
	Pesticide Applicator License		
	 Part 107 (FAA Pilot Lice 	ensure- Drones)	